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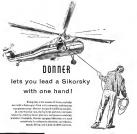
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Spearhead Changes

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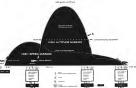
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ealy har only products could exist



ARPA Plans Maneuverable Satellite Unit

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ARPA Progress sace fight performence sender to that

Saturn Timetable

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* ARPA is national second expression

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Contract Awards Detailed by NASA

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Used to Track Moon

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Radio sextrat employs a 54t disca-

News Digest

International Air Temport Assn. Facin

and opposed at a record mention on

Georgia Electric Carly Honey Male

AVIATION WERK, February 23, 1959 AVAILON WEEK, rebreery \$5, 1959

Economy Fares Boost Transatlantic Runs

Foreign-flux lines main most of increase through one of bigger niston fleets in advance of heavy jet service.

troffic but year next to foocies that comers making the most of expanded a modest 45% over 1957. Overall total of International Air Treasport Aven members' scheduled traffic was about 1.393,000, as from 965,000 on 7957.

Continued sharp recover to trans- • Pas American correct 251,340 school-

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*SAS's total, racteding polis mater was

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· Sabena Bilgon Woold Animes, vofe

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Cut in Electra Speeds Proposed Pending Propeller Vibration Study

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country difference in performance his

Seem problem of a near when solved Allison and Eurly loss of tra-

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Addition of Flasher Lights Aids

LaGuardia Runway Identification



Flinish beats of Middlewood Model 119 UCX valids set transport toward over set St. Louis, Ma., East State Sector 45 usin, UAW Feb.

IS a 15 Agring a a crobbite or U.S. As Four U.X competition, participy powerplants are first Westerplane [14 behapt

rong the lights during visited opposits Aviazgos Wana pilos nistos acrosswas anded to mount outside. ot EnGeorgia von 14,000 ft. Venikley The Starbosopye lights are installed someonth roll. They are been codefirsts were cloudy visible following remember for LaCoppin are 400 ft

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for the ster 1,000 ke. It lot, exclusive work on crusion. Propelly shop is shown at suits, Delta Details Plans for Jet Maintenance

By L. L. Doty Affects-Mayermaco vistors than

. Delta's integer are open for fall-ands

* Plus rees the workload, chorisates





FIRST IN INTERNATIONAL AIR TRAVEL! It's as true of Air France today so it was 40 years are when Larges Besouted made the first international passenger flight from Paris to London, Air France still follows this great tradition of French leadership in aviation. Today

will fly the fastest let service in Europe and the Mobile East, And next year Air France will cover the world's largest route network with one of the largest set floats in the world.

other systems allow Actually Delta

pulled rate langue on Smaler night

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Swing-Tail Convair 600 Proposed

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ARRIGANG solar agaptment is checked by AVEATION WITE Princer 22, 1997



BER FIRS Are, New York St. H. Y.

	Airline Traffic—December, 1958										
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Converting DC-6As Into Cargo-Passenger Airliners Ailinsearch Aviation Service modifies to specific airline requirements

The exten namework coverable DC46A allows · Radar installation well-due design of supers. Madikestone include mostleton of sent-Other major modifications for DC-6 and

and addition of order now ... also radio, non-



AiResearch Aviation Service Division Accommissed Alignes, See Adaptive, Colf. - Montered Officers E-0201

SHORTLINES

Aloha Aidines Inc., formoly Tree-Pacific Aidines Ltd. of Heuris, but here.

* American Airlines is reached sting as

P.Carl Assessment Board has describe

P Biddle Airback carried 6,453,779 In

course a record trip factor, the Kristo

AIRLINE OBSERVER

training and poets checks from its Kuran City bear Although Howard. Hoghes has clamped a penemal publicity lid on all TWA jet transport debreast, there are seven 75% in bulliout and TWA analysis on runns out-

slow on the Rentes final membly him. Huther has publicly admitted baving only eight 70% while noted order outs for 52 of which 15 will be the 707-120 for domestic use and 16 model 707-52% for international

American Airlines realized a load factor of 99.5% on an Bocine 787-120.

• Stands Amout Dission of United Amout Com. short to formally

* Researcher strated delivery of four technique Audit and B16 transports for reprile percence and tage service to monitord and offshor island wints north of the Arctic Clarks and for numbers scientific exactings

Print of these identical VC-197 military transport versions of the Enrice the other two following to May and June. Innexion of the ascent are deserved as from offices for Persident Experiment and other for recognited port. Special communications area is contained behind the new consists shared conferentian account the next concentrated followed by the office fitted with cruckes which convert unto both. Remainder of colum appear deck is fated with two abscut units with a small trible between, insulin-

►Turbourns and turboict transports are expected to secoust for \$5% of



6 out of 7 Jet travelers to Europe choose Pan Am Jet Clippers

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to the fact that there are the world's factors arrises: Couple the with their arrange comfort and quiet and you have the south magic that leads 6 out of 7 transatherise Jet travelers to choose Pan Am.

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nor with such good reasons.

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MART ON THE NELVESON MART ON THE ANGELO MART IN LATER ANGELS



SFTS NEW DRONE ALTITUDE MARK!

New holder of an enotheral would already record for excellendrove drive viscett-Redicologo's RP-77D serial target, This 46,000 feet during Army evaluation of Dona Ann Popes Fort Blice Team Sideliebs on the firebs: the moved service done had six provious flights to its credit - is ready

for further action ofter its seventh successry by Recket Insuched, Radioplane's RP-77D is stiles per hour at above 40,000 feet - and is combined flight department exceeding one house

at this altitude. Relatine to performance, et in of Eleccions lummate, the RP-77D has un additional capability for photo and televisors

Other current Rediciplene dressu in developevaluation terrest and the XXD4R-1 motors tirget for the U.S. Navy - two more members of the world's poly assessints drawn furnite



SPACE TECHNOLOGY



Clustered Rockets May Boost Reliability

By L. S. Butz, In. Waterates-Clurcy of rodet co-

AVAILAN WEEK, Polymery 23, 1995

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You can <u>depend</u> on **HYATT** jet engine bearings . . .



EXCEEDING SPECIFICATIONS

THE LOCKHED RECTEA IS POWERED BY ALLISON 501-D-13 PROP-JET WITH HYATT BY ROLL BEARINGS IN THE POWER SECTION AND

Calling on Hyant to held your jet regime heavings assures angle-store Errey borrier we defirer will measure up-Bossert Caralog A-56 for one ranges and load rusings of special bearing problems, popular Hyart Bearings Division,

Anather III contribution to printers progress HY-ROLL BEARINGS Rehable small chamber covince of

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AVERTICAL WEEK Palmoury 22, 9750

BIRD'S IR VIEW... of a Hot Stove Pine

THE WESTERN OF GROOM to electronics may well be the evaluating, resecting false targets, and directing its producer of siliens opines for infrared comboutions. has ashesyed an intimate understanding of this and other unusual materials for specific portions of the spectrum.

prisms, windows, and other elements with the precision fer dearn execution, the Texas Instruments apties team sketch tool ideas to custom-made systems. For detailed contact SERVICE ENGINEERING DEPARTMENT.



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100% FLOW EFFICIENCY

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FLO-BALL—THE ACCEPTED STANDARD OF MAXIMUM PERFORMANCE AND RELIABILITY sciente Head new flo-ball valve catalog

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LOX-CLEAN

Hydromatics, Inc.

AVAILABLE WEEK School 23 1959

Space Axionies Study

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No further fairsh of the 148 ?

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700 LIBERTY AKENUE - LPROPL IN J. SACTO PRODUCTS ACTIONNEL - MOSTO - TANASSOCIONS - SCALAFORS - COMPETE - SALESSE - SAC SIGNATURE - SAC SI

LABORATORY QUALITY AT MASS-PRODUCTION PRICES

... with Bendix temperaturecompensated tachometer generators





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Eclipse-Pioneer Division batchess, W.E.





Army Contracts

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No select States Co. Sac. Not. York, Visc. sport powe and composition. Oxfort Co. Coll. 100: \$15.5: Brokers Harrier Co. Sac. Xvs. Vivia, She route parts and composition 1th Co. 15; 0332-0325. Select Co. Andreas, Swamer, Cotta, Terris, op-ers for corners above; SMIR-STORA LED 101-11 201-1-1-1 Ell-10 E. S. ARMS STRANGER BRITTET, Los Angeles Fatter of Paginette, 198 S. Eleanou St. Lon Angeles 13 Edity.
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Navy Contracts

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AVAINER SEPRIL SPRING TO BASE

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THE LINES, PRINGS FOR SERVI

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P.S. and dus't forest three "SUPERMARKET

400-CYCLE STRONGOS Grane sans. S. 10, 13, 15, 27) Control Transformers + Differ-

GTEGS Developed, Free, Eco., Rell PACKAGED COMPONINTS Andre Cartel Concerns

Servic Assembly to









Bendix Proposes Supersonic Targets

By David A. Anderton

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AVIONICS

Industry Awaits 'Tough' Wage Act Ruling

Br Plefe I. Khen

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Compatition Feater

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MINIMAN WAS restourne mates so electronic competer operating manife facilities.

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ANATION WEEK, Relevany 22, 1929

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J-57 Titanium engines save nine-man crew in their *8-million B-52

At 5,000 feet, the B-52 was into a small and very various feetal area. Satisfies; the register we probed with believes the sear of Satisfies. Dying at 400 miles as loan the damage to the D-32 was sortife. The visibilities to make the redoce was term nevy. The radar natures was demolated. Wag object were humanced but believe was practice in the wings and captive models. Dying sentil was welled into the caption and humanical section. Some of this description about highly

and most of the instruments were out. The atteract went momentarily out of control.

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perpared to had out

By this time, the shaddering eigenst had already
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titudines version J-37 organes were still global falls partial power. Mayer Zerchele classical to 8-32 to 35,000 pt. Sept. Mayer Zerchele classical to 8-32 to 35,000 pt. Sept. Sept

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"The engines put out all the power sequired. They performed periods." Hely balaks, Major Zerdecki would more have been able to fly the skip back."

would need have been able to fly the skip back."
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TIMET

TITANIUM METALS CORPORATION OF AMERICA 200 Broadway, New York 7, N. Y.



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appear to rice any operation of home

Compatition for Missiles.

Act's Searffornce

Long-range bullets; mossley Assoult

Newest in the Cherry High Clinch Rivet Line tions. The many of the model of the color of the color of the

For technical data on the rese strength anglessions suited to Cherry "800" Mesel and other vane grablican. The new Cherry. Cherry High Clerch revets, within 100" in Muncl. the "700" on shaminum, and the "600" high. Rivel Division, P. O. Box 2157 N. strongth, high temperature rivet. Souta Are, Calif.

Townsend Company

ANNATION WEEK February 22, 1929

EDO LORAN

FOR JET-AGE LONG RANGE NAVIGATION





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endation to lighted cockers made

EDO CORPORATION, College Palet, I. I., New York EDO (CANADA) LTD., Correct, Octobe

ACROMARITHE, Inc., 100 Years Str., KN., Welliams, B.C.



B-58 Radar Recarder

Satellite Competition

AVAILON WEEK, Submony 23, 1959



PRECISION **ACCELEROMETERS**

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FAA Plans Traffic Control Integration

By Russell Howkers

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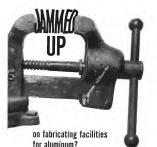
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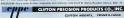
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